

ICS 81.040.30

CCS Q34



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 48122-2026

**Photovoltaic (PV) glass - Test method and performance
evaluation of exposure to extremely cold environment**

光伏玻璃 极寒大气环境自然曝露试验方法及性能评价

(English Translation)

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Foreword

GB/T 48122-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2027.

It is under the responsibility of the China Building Materials Federation.

Classification: ICS 81.040.30; CCS Q34.

1 Scope

This standard provides a test method and performance evaluation approach for photovoltaic glass exposed to extremely cold atmospheric environments. It relates to natural exposure testing, where samples are left outdoors in harsh climates and then evaluated. The audience includes photovoltaic glass producers, module manufacturers, project developers, test sites and laboratories that need to show how the glass performs in very cold regions.

It is a GB/T document, which means it is recommended and not mandatory, and the China Building Materials Federation is the responsible body. It takes effect on 1 March 2027. Solar installations in cold plateaus and northern regions face conditions that differ from standard laboratory tests, and a published exposure method helps suppliers and buyers compare results. It is a newly issued method for this application and environment.